

|                                 |                     |                  |
|---------------------------------|---------------------|------------------|
| <b>DART AEROSPACE LTD</b>       | <b>Work Order:</b>  | <b>24716</b>     |
| <b>Description:</b> Lug Bracket | <b>Part Number:</b> | <b>D3046-041</b> |
| <b>Drawing:</b> D3046 rev.A     | <b>Qty:</b>         | <b>1</b>         |

| Step | Location   | Procedure   | By | Date     | Qty |
|------|------------|---|----|----------|-----|
| 1    | EXPEDITING | Open W/O  | u  | 05-10-27 | 1   |
| 2    | STORES     | Pick:<br>Qty    Part Number    Description    Batch<br>1    D3046-1    Lug Bracket    B15069<br>1    D3046-3 ( Bell p/n 206-052-106-1)    N/A<br>Return Authorization # 426<br>Bell original batch# 47204 | u  | 05-10-27 | 1   |
| 5    | METAL      | Transfer drill holes from D3046-3 into D3046-1 as per Dwg D3046   | SB | 05/10/27 | 1   |
| 6    | METAL      | Counter sink inside holes of D3046-1 as per Dwg D3046   | SB | 05/10/27 | 1   |
| 7    | METAL      | Deburr  | SB | 05/10/27 | 1   |
| 8    | QC         | Inspect Level 5   | SB | 05-10-27 | 1   |
| 33   | METAL FP   | Powder coat D3046-1 & D3046-3 white (4.3.5.2) as per QSI 005  | FC | 05 10 27 | 1   |
| 34   | QC         | Inspect Level 3   | NA | 05 10 27 | 1   |
| 9    | STORES     | Pick:<br>Qty    Part Number    Description    Batch<br>10    MS20426AD5-7    Rivet    M3876   | SB | 05/10/27 | 1   |
| 10   | METAL      | Assemble as per Dwg D3046   | SB | 05/10/27 | 1   |
| 11   | QC         | Inspect Level 5   | 2  | 05-10-27 | 1   |
| 12   | METAL      | Powder coat white (4.3.5.2) as per QSI 005  | NA | 05 10 28 | 1   |
| 13   | QC         | Inspect Level 3   | u  | 05-10-28 | 1   |
| 14   | STORES     | Identify and stock  | CL | 05/10/28 | 1   |
| 15   | EXPEDITING | Close W/O<br>Cost / part 88.43 Sur 05/10/28 ①<br>68.95  | SB | 05/10/28 | 1   |

| Rev | Date     | Change    | Revised By | Approved |
|-----|----------|-----------|------------|----------|
| A   | 01.08.27 | New issue | SM         | EE       |

RELEASED

01-08-27 EE

| W/O:     |      | WORK ORDER CHANGES |    |          |     |                                     |                          |
|----------|------|--------------------|----|----------|-----|-------------------------------------|--------------------------|
| DATE     | STEP | PROCEDURE CHANGE   | By | Date     | Qty | Approval<br>Chief Eng /<br>Prod Mgr | Approval<br>QC Inspector |
| 05-10-22 |      | permanent change   | U  | 05-10-22 |     | U                                   |                          |
|          |      |                    |    |          |     |                                     |                          |

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

| NCR: |      | WORK ORDER NON-CONFORMANCE (NCR) |                             |                                 |                |                           |                       |                          |
|------|------|----------------------------------|-----------------------------|---------------------------------|----------------|---------------------------|-----------------------|--------------------------|
| DATE | STEP | Description of NC<br>Section A   | Corrective Action Section B |                                 |                | Verification<br>Section C | Approval<br>Chief Eng | Approval<br>QC Inspector |
|      |      |                                  | Initial<br>Chief Eng        | Action Description<br>Chief Eng | Sign &<br>Date |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |
|      |      |                                  |                             |                                 |                |                           |                       |                          |

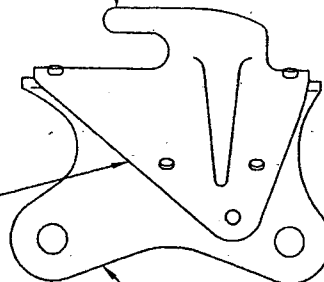
NOTE: Date & initial all entries



|         |                    |          |                    |   |              |
|---------|--------------------|----------|--------------------|---|--------------|
| DESIGN  | <i>[Signature]</i> | DRAWN BY | <i>RT</i>          | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |              |
| CHECKED | <i>[Signature]</i> | APPROVED | <i>[Signature]</i> | DRAWING NO.                                       | REV. A       |
| DATE    | 01.08.23           |          |                    | D3046   | SHEET 1 OF 2 |
|         |                    |          |                    | TITLE   | SCALE        |
|         |                    |          |                    | LUG BRACKET                                       | 1:2          |
| A       |                    | 01.08.23 |                    | NEW ISSUE   |              |

CONTROLLED COPY

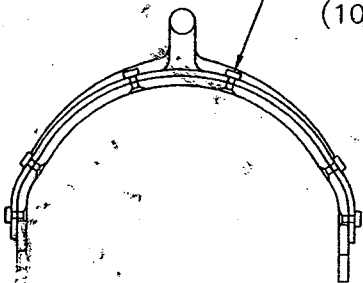
D3046-3  
(BELL P/N 206-052-106-1)



D3046-1

CENTER D3046-3  
ON D3046-1

TRANSFER DRILL  $\varnothing 0.156$  HOLES  
FROM D3046-3 TO D3046-1.  
C'SINK  $\varnothing 0.286 \times 100$   
D3046-1 INSIDE BORE.  
ASSEMBLE USING MS20426AD5-7  
RIVETS.  
(10 PLACES)



D3046-041 LUG BRACKET ASSEMBLY

NOTES:

- 1) FINISH: POWDER COAT WHITE (REF. 4.3.5.2) PER DART QSI 005 4.3.  
POWDER COAT BOTH PARTS SEPARATELY BEFORE ASSEMBLY.  
RE-POWDER AFTER ASSEMBLY.
- 2) REMOVE ALL PAINT/SEALANT FROM D3046-3 BEFORE POWDER COATING.

RELEASED  
01.08.23

**DART**

|                  |                |  |                        |
|------------------|----------------|--|------------------------|
| DESIGN<br>RF     | DRAWN BY<br>RF | DART AEROSPACE USA, INC.<br>PORT HADLOCK, WA |                        |
| CHECKED<br>      | APPROVED<br>   | DRAWING NO.<br>DSI 9213                      | REV. A<br>SHEET 1 OF 1 |
| DATE<br>01 08.24 |                | TITLE<br>OPTIONAL GROUND HANDLING            | SCALE<br>NTS           |
| A                | 01.08.24       | NEW ISSUE                                    |                        |

## DART SERVICE INSTRUCTION

TO AMEND ICA-D058-672 REV. 0  
IIN-D058-672 REV. B

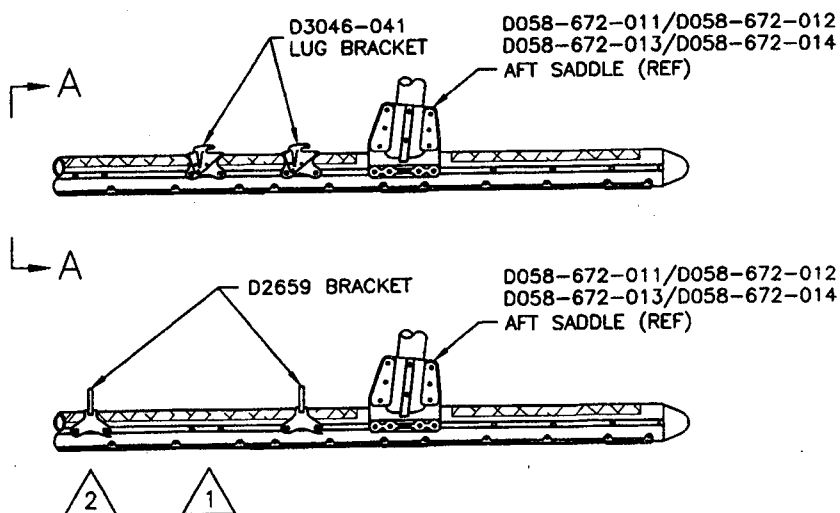
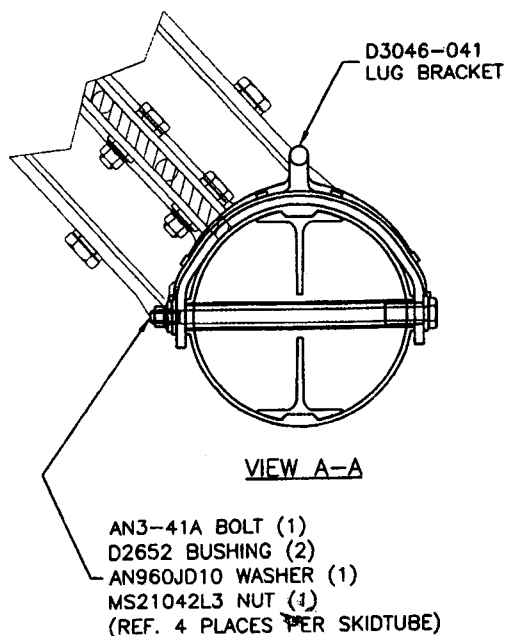
REF. US FAA STC: SR00912SE

| Qty  | Part Number  | Description                  |
|------|--------------|------------------------------|
| -011 |              |                              |
| X    | DSI 9213-011 | OPTIONAL GROUND HANDLING KIT |
| 2    | D3046-041    | LUG BRACKET                  |

FOR COMPATIBILITY WITH REGULAR OH-58 GROUND HANDLING WHEELS  
D2659 BRACKETS MAY BE REPLACED WITH D3046-041 BRACKETS AS SHOWN:

- 1) REMOVE EXISTING D2659 BRACKETS (IF INSTALLED)
- 2) MOVE D2651 PLUGS FROM LOCATION 1) TO LOCATION 2)
- 3) INSTALL D3046-041 BRACKETS USING EXISTING  
HARDWARE AS SHOWN.
- 4) WEIGHT & BALANCE INCREASES AS FOLLOWS:

| LONGITUDINAL |          |            | LATERAL    |               |
|--------------|----------|------------|------------|---------------|
| Weight       | Arm      | Moment     | Arm        | Moment        |
| 0.5 lb       | 119.7 in | 59.9 in lb | +/-42.0 in | +/-21.0 in lb |
| 0.23 kg      | 3.05 m   | 0.70 m kg  | +/-1.07 m  | +/-0.25 m kg  |



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**Linda Lacelle**

---

**From:** Heather Mahon [hmahon@dartaero.com]  
**Sent:** Tuesday, October 25, 2005 9:47 AM  
**To:** Linda Lacelle (E-mail)  
**Subject:** LEAD TIME FOR MODIFICATION OF CUSTOMER LUGS DSI9213-011

Linda,

Please provide lead time on modifying of these customer lugs.

Heather J. Mahon

Sales Associate

DART Helicopter Services, LLC

Tel: 1.613.632.3336

1.800.556.4166

Fax :1.613.632.4443

heatherm@dartaero.com <mailto:heatherm@dartaero.com>

www.darthelicopterservices.com <<http://www.darthelicopterservices.com>>

"we're more than just skidtubes"

**Linda Lacelle**

---

**From:** Peggy McDonald [pmcdonald@dartaero.com]  
**Sent:** Monday, October 24, 2005 12:23 PM  
**To:** 'Linda Lacelle'; sianw@darths.com; dalet@dartaero.co  
**Cc:** 'Bill Beckett'  
**Subject:** RE: Return for OH-58 GH lugs

He will be sending enough for 1 aircraft.  
(4 parts)

Peggy

---

**From:** Linda Lacelle [mailto:llacelle@dartaero.com]  
**Sent:** Monday, October 24, 2005 7:02 AM  
**To:** pmcdonald@dartaero.com; sianw@darths.com; dalet@dartaero.co  
**Cc:** 'Bill Beckett'  
**Subject:** RE: Return for OH-58 GH lugs

What is the qty....??  
LL

-----Original Message-----

**From:** Peggy McDonald [mailto:pmcdonald@dartaero.com]  
**Sent:** Friday, October 21, 2005 6:02 PM  
**To:** sianw@darths.com; dalet@dartaero.co  
**Cc:** 'Linda Lacelle'; 'Bill Beckett'  
**Subject:** Return for OH-58 GH lugs  
**Importance:** High

Good Morning

Please issue a return to Don at ArrowFalcon for his OH-58 lugs

Fax 1 559 781 9271

<<...>>

DART will modify at no charge and include in his OH-58 Landing Gear order.

Let me know if you have any questions.

Best regards

**DART HELICOPTER SERVICES**

Peggy McDonald

Sales Manager

Tel 1 613 632 3336

10/24/2005

Fax 1 613 632 4443

Direct Line 1 613 678 2764

Cell 1 613 676 1710

peggym@darths.com

[www.darthelicopterservices.com](http://www.darthelicopterservices.com)

"we're more than just skidtubes"

**Linda Lacelle**

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Best regards

**DART HELICOPTER SERVICES**

Peggy McDonald

Sales Manager

Tel 1 613 632 3336

Fax 1 613 632 4443

Direct Line 1 613 678 2764

Cell 1 613 676 1710

peggym@darths.com

www.darthelicopterservices.com

"we're more than just skidtubes"





DART Aerospace Ltd

#R 426

# CUSTOMER RETURN

Initiator: Sian Willem  
 Company: Arrow Falcon  
 Phone No. 559-781-9271  
 Date: Oct 27/05  
 Invoice # NA  
 Order Entry # NA  
 Reason for return: Modify Customer supplied OH-58 ground handling wheel legs to fit Dart gear.  
 Attach Copy of DHS Return Authorization # 2054

Receiving: CL  
 Date Received: 05/10/26 Freight Company: UPS Prepaid ☐ Collect ☐  

| # | Part No | Description                      | Batch # |
|---|---------|----------------------------------|---------|
| 1 | DS19213 | OH-58 customer supplied legs (4) | A7804   |
|   |         |                                  |         |
|   |         |                                  |         |
|   |         |                                  |         |
|   |         |                                  |         |
|   |         |                                  |         |
|   |         |                                  |         |

Condition of packaging: \_\_\_\_\_ Photograph required: yes ☐ no ☐  
 Paperwork attached: P/S \_\_\_\_\_ Invoice \_\_\_\_\_ ARC \_\_\_\_\_ Docs \_\_\_\_\_ Other \_\_\_\_\_  
☐ Advise QA Date: \_\_\_\_\_ QA advised \_\_\_\_\_  
☐ Distribute to Engineering Date: \_\_\_\_\_ Eng advised \_\_\_\_\_  
☐ Distribute to OP Date: \_\_\_\_\_ OP advised \_\_\_\_\_  
☐ Distribute to QC Date: \_\_\_\_\_ Closed: \_\_\_\_\_ Date: \_\_\_\_\_

QC:  
 Inspect: \_\_\_\_\_ Initial: \_\_\_\_\_  

| # | Part  | Batch # | QC Comments | QC Approval |       | Scrap |
|---|-------|---------|-------------|-------------|-------|-------|
|   |       |         |             | Initial     | W/O # |       |
| 3 | OH-58 | A7804   | OH-58 legs  | <u>SR</u>   | 24716 |       |
|   |       |         |             |             |       |       |
|   |       |         |             |             |       |       |
|   |       |         |             |             |       |       |
|   |       |         |             |             |       |       |
|   |       |         |             |             |       |       |

Order Processing:  
 Advise QA/GM as to findings: Initial: \_\_\_\_\_ Date: \_\_\_\_\_  
 Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Issue credit yes ☐ no ☒  
 Credit Amount before tax: \_\_\_\_\_  
 DHS ☐  
 Customer ☐  
 GM Approval: \_\_\_\_\_ OP initial: \_\_\_\_\_ Date: \_\_\_\_\_  
 QA: Enter into Q-Pulse with reason for return & File original. Signed: \_\_\_\_\_ Date: \_\_\_\_\_

Copy of Customer Return to stay with work orders and another copy to be filed with customer credit